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Partially esterified or amidated lactic or glycolic acid oligomers - for preparing delayed release forms of pharmaceuticals e.g. calcitonin and bromocriptine

Patent Assignee: SANDOZ SA (SANO)

Inventor: BRICH Z; FRANZ J; PRIKOSZOVICH W

Patent Family (16 patents, 8 countries)

Patent	Application
Number	Kind Date Number Kind Date Update
BE 898430	A 19840612 BE 898430 A 19831212 198426 B
DE 3345314	A 19840705 DE 3345314 A 19831215 198428 E
FR 2537980	A 19840622 FR 198319976 A 19831212 198430 E
GB 2135320	A 19840830 GB 198333289 A 19831214 198435 E
JP 59130252	A 19840726 JP 1983238721 A 19831216 198436 E
CH 651475	A 19850930 CH 19827372 A 19821217 198542 E
	CH 19827373 A 19821217
GB 2165454	A 19860416 GB 198527420 A 19851107 198616 E
GB 2165849	A 19860423 GB 198527421 A 19851107 198617 E
GB 2166652	A 19860514 198620 E
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GB 2135320	B 19870429 198717 E
CH 660488	A 19870430 CH 19827372 A 19821217 198720 E
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	CH 19827373 A 19821217
US 4801739	A 19890131 US 1983562470 A 19831216 198907 E
IT 1197759	B 19881206 199113 E

Priority Applications (no., kind, date): CH 19827372 A 19821217; CH 19827373 A 19821217

Alerting Abstract BE A

The oligomers have a mol. wt. of 500-10,000. The free carboxy gp. of the oligomer is at least partially in the form of an amide gp. with an aminoacid or in the form of an ester gp. with a sterol. The prods. pref. have an acid index of 1.5 or less.

Used for prepn. of delayed release forms of pharmacologically active cpds. The oligomers allow a sufficiently long release time for the active cpds. e.g. several weeks, and are appropriate for use with a wide variety of active cpds., such as those soluble in water. The oligomers are easy to manipulate, are less adhesive than polymers having free acid gps. and may be administered in the form of microcapsules (e.g. 10-60 microns) by a

syringe, e.g. intramuscularly or sub-cutaneously.

Equivalent Alerting Abstract US A

Modified oligomer comprises units of lactic acid and/or glycolic acid.

The oligomer moiety has a mol. wt. of 500-10,000, pref. 750-5000, in which the terminal carboxy gp. is in the form of an amide or an alpha amino acid, pref. an alpha amino acid amide, esp. phenylalanine.

Pref. the oligomer moiety contains lactic acid units.

USE - New oligomer is useful in the prod. of depot forms of pharmacologically active agents including salmon calcitonin and bromocriptine.

USE - (7pp)